We claim:

- 1. A highly weather-resistant iron-based magnet powder comprising a rare-earth element, wherein particles of said magnet powder comprise uniform soating with a phosphate film to a thickness of 5 to 100nm on the average.
- 2. The highly weather-resistant magnet powder according to Claim 1, wherein said iron-based magnet powder comprising a rare earth element is an alloy powder selected from the group consisting of Nd-Fe-B-based and Sm-Pe-N-based powder.
- 3. The highly weather-resistant magnet powder according to Claim 2, wherein the particles of said Sm-Fe-N-based alloy powder are uniformly coated with a zinc film.
- 4. The highly weather-resistant magnet powder according to Claim 1 wherein said phosphate coating film is a composite composed of iron phosphate and another phosphate and comprises iron phosphate in an Fe/rare earth element ratio of 8 or more.
- 5. A resin/composition for bonded magnets, comprising, as the main ingredient, the highly weather-resistant magnet powder comprising a rare-earth element, wherein particles of said magnet powder comprise uniform coating with a phosphate film to a thickness of 5 to 100nm on the average.

- 6. The resin composition for bonded magnets according to Claim 5, wherein said iron-based magnet powder comprising a rare earth element is an alloy powder selected from the group consisting of Nd-Fe-B-based and Sm-Fe-N-based powder.
- 7. The resin composition for bonded magnets according to Claim 6, wherein the particles of said Sm-Fe-N-based alloy powder are uniformly coated with a zinc film.
- 8. The resin composition for bonded magnets according to Claim 5, wherein said phosphate coating film is a composite composed of iron phosphate and another phosphate and comprises iron phosphate in an Ferrare earth element ratio of 8 or more.
- 9. The highly weather-resistant iron-based magnet powder according to claim 1, wherein the magnet powder is formed as a compacted magnet by compacting the highly weather resistant magnet powder to an apparent density of 85% or more of the intrinsic density.
- 10. The highly weather-resistant iron-based magnet powder according to claim 1, wherein the magnet powder is formed as a compacted magnet by compacting the highly weather-resistant magnet powder to an apparent density of 85% or more of the intrinsic density.
- 11. The highly weather-resistant iron-based magnet powder according to claim 1, wherein the magnet powder is formed into a compacted magnet by compacting the highly weather-resistant magnet powder to an apparent density of 85% or more of the intrinsic density.

12. The highly weather-resistant iron-based magnet powder according to claim 1, wherein the magnet powder is formed as a compacted magnet by compacting the highly weather-resistant magnet powder to an apparent density of 85% or more of the intrinsic density.

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